

### **ABSTRACT OF THE DISCLOSURE**

Isolating data in a power line communications system. Although plural subscribers receive electric power distributed from a common distribution transformer, it is desirable to isolate their branch lines from one another when those branch lines are used to conduct data communications as a supplement to electric power delivery. This isolation of branch lines is implemented in a centralized way at the distribution transformer, or alternatively, in a distributed way at each subscriber's premises. These implementations are made using low pass filters (which pass the power but block the data) and power line communications routers or power line communications repeaters.